

REPORT NO. [REDACTED]

INFORMATION REPORT

CD NO.

25X1A

COUNTRY USSR(Estonian SSR)

DATE DISTR. 25 February 1952

SUBJECT Power Plant and Oil Shale Mine at Atme

NO. OF PAGES 2 21 6F

PLACE
ACQUIRED

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NO. OF ENCLS. 2(Annex 1@0)
(LISTED BELOW)

DATE OF
INFO.

SUPPLEMENT TO
REPORT NO.

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1. Location:

The electric power plant under construction in Atme (27°27'E/59°18'N), Estonian SSR, is in the area of the oil shale shaft at the northern town edge.

2. Plant installations:

a.

- ✓ Most of the building was completed; only the roofing was not done. The five boilers had been set up and erection of the foundation for one of the three projected turbines started. The adjoining rooms were still empty.

b. One of the two smokestacks was completed by the Summer of 1947. Completion of the other was postponed until the first turbine was put into operation. The cooling plant was partially completed. A water conduit leads to the Lake Peipus. For plant layout see Annex 1. For sketch of the turbine and boilerhouse see Annex 2.

3. Work force:

A thousand Soviets and 300 PWs worked three shifts in the shafts. Information on the work force of the electric power plant could not be furnished by source.

4. Production:

Information on production of the shaft installations and capacity of the future electric power plant is not available.

The hauling of oil shale was not started before the Spring of 1948.*

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25X1A [REDACTED] Comment:

- a. The report furnishes the most detailed information on the new Atme power plant obtained so far, especially in the annexed sketches and refer-

were reported for the first time.

b. Except for the location of the plant with reference to the town and the straightaway installations extending from north to south and the railroad tracks, the annexed sketches ~~show~~ show little resemblance to previous reports. From the detailed data given by source on this subject it is inferred that the report is likely to be more correct than the poor information obtained before although more information is required.

c. There are no data contained in any of the reports on which conclusions as to the importance of this power plant, still under construction, might be based. It was not ascertained whether the power plant will exclusively serve the local operation of the shaft installations or more extended purposes. From the improvement of the traffic connections with Atme mentioned in the final part of the report, it may be concluded that an increase of the oil shale hauling capacity is planned.

* According to another repatriated FW, a 49-year-old unskilled worker, the field railroad line connecting Johvi with Atme was converted to standard gauge in 1946 and a field railroad line connecting Atme with Yama (not indicated in the map; presumably in the vicinity of Vivikonna) was completed at the same time. (March 1945 to September 1949)

2 Annexes: Power Plant and Oilslate Mine in Atme.

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Legend to Annex 1

A Electrical Power Plant with

- 1 Boiler and turbinehouse (for details see Annex 2)
- 2 Smokestack, 90 meters high, completed in the Summer of 1947
- 3 Base for the second smokestack; construction has been suspended
- 4 Loading point
- 5 Stone mill
- 6 Concrete building, empty
- 7 Filter plant
- 8 Water storage basin
- 9 Coal
- 10 Empty building
- 11 Empty building

- 12 Water conduit leading to Lake Peipus
- 13 Foundations for the frame of a conveying belt

B Shaft installations with accessory shops

- 1 Administrative building, 18 x 18 x 9 meters, also clothing and ration supply storage place and dispensary
- 2 Carpentry, $7\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{1}{2}$ meters, wooden building, crossed by a track
- 3 Shaft entrance, an extension to the administrative building, 18 x $7\frac{1}{2} \times 4\frac{1}{2}$ meters, a concrete building with a built-on support for the hoisting device. The iron frame for the elevator is embedded in this support. Construction of the shaft was not completed. According to Soviet information the shaft is 45 meters deep.
- 4 Wood storage yard for timber and pit props
- 5 Railroad car loading shed, $13\frac{1}{2} \times 7\frac{1}{2} \times 6$ meters. The oil shale was conveyed from the sorting plant to the cars at the car loading point by a conveying belt.
- 6 Sorting shop, $27 \times 22\frac{1}{2} \times 9$ meters. Here the oil shale had to pass five-stage assorting sieves. Dirty ingredients are also separated from the oil shale by this process.
- 7 Hauling shaft, $27 \times 27 \times 9$ meters, attached to the sorting shop. There are two shafts, each 45 meters deep. The elevator was completed in the winter of 1948/1949. The shaft has four hoisting cages. The shop contained the elevator and heating the buildings. The upper part of the five-story building was empty. The shaft leads from the sixth to the fifth floor.

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[REDACTED] motors driving [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
[REDACTED] vice for the [REDACTED]

- 10 Dump
 - 11 Warehouse containing replacement parts for the sorting-shop machines, $22\frac{1}{2}$ x $10\frac{1}{2}$ x 9 meters, with a six-story tower.
 - 12 Mechanical workshop with railroad spur track, forge, lathing and milling shop as well as tool-distribution [REDACTED]
 - 13 Assembling shop. Total size of Reference No. 12 and [REDACTED] meters. Manufacture of iron frames for construction power plant. Source's working place.
 - 14 Forge, 9 x 6 x $3\frac{1}{2}$ meters
 - 15 Depot, 45 x 9 x 6 meters, containing machine parts, construction material and clothing
 - 16 Concrete frame building filled with brickwork, 27 x $13\frac{1}{2}$ x 9 meters. Completed except for glassing but empty.
 - 17 Storage yard for steel girders and rails for constructing the electric power plant and mud-unloading point for the shaft construction
 - 18 Sawmill, wooden building, 18 x $4\frac{1}{2}$ x $3\frac{1}{2}$ meters
 - 19 Service station with underground 20-cbm gasoline tank (according to other PWs)
 - 20 Service station with one 50-cbm and one 30-cbm tank (according to inscriptions), connected with the railroad track by a pipe line
 - 21 Sawmill with four frames. A wood-drying shop was under construction.
 - 22 Small-size electric power plant, 18 x 9 x $5\frac{1}{2}$ meters, supplying the settlement and camps in the immediate vicinity of the plant
 - 23 Vegetable bunker
 - 24 Water tower, $13\frac{1}{2}$ meters high
- C PW camp No 7135/1 with [REDACTED] guard personnel [REDACTED]
- D [REDACTED]
- E "Kurland" camp (meaning unknown)

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Legend to Annex 2

- 1 Boilerhouse, 45 x 29 x 13½ meters. The construction of the eastern side is not uniform. One part (a) has a concrete wall 5½ meters high and 75 cm thick, supporting concrete pillars 22½ meters high. The other part (b) does not have a wall. Concrete foundations, about 1½ x 1½ x 1 meters, for 14 concrete pillars, 27 meters high, are erected there. Three were completed in March 1949. The pillars are connected with the opposite wall by binders of angular iron, 15 cm thick.

The boilerhouse was equipped with four boilers 9 meters long and 3 meters in diameter. According to the inscriptions they came from a Berlin-Tegel Firm. A vertical boiler, 4½ meters high and 2 meters in diameter, was imposed on the two inner boilers. Each boiler is supported by four concrete foundations. The oil shale is taken to the firing places by a conveyor belt. Two concrete bases for the frame supporting the conveyor belt had been constructed.
- 2 Turbinehouse, 63 x 30½ x 18 meters, with stairlike glassed roof. Three turbines were planned. Several bases were constructed for the first turbine. The turbine itself had not been installed. As to the other two turbines all parts had not been supplied.
- 3 Angular building with office rooms
- 4 Two rooms not furnished or equipped; size of each about 30 x 9 meters, height 13½ and 18½ meters respectively
- 5 Foundations for a new smokestack
- 6 Smokestack, 90 meters high

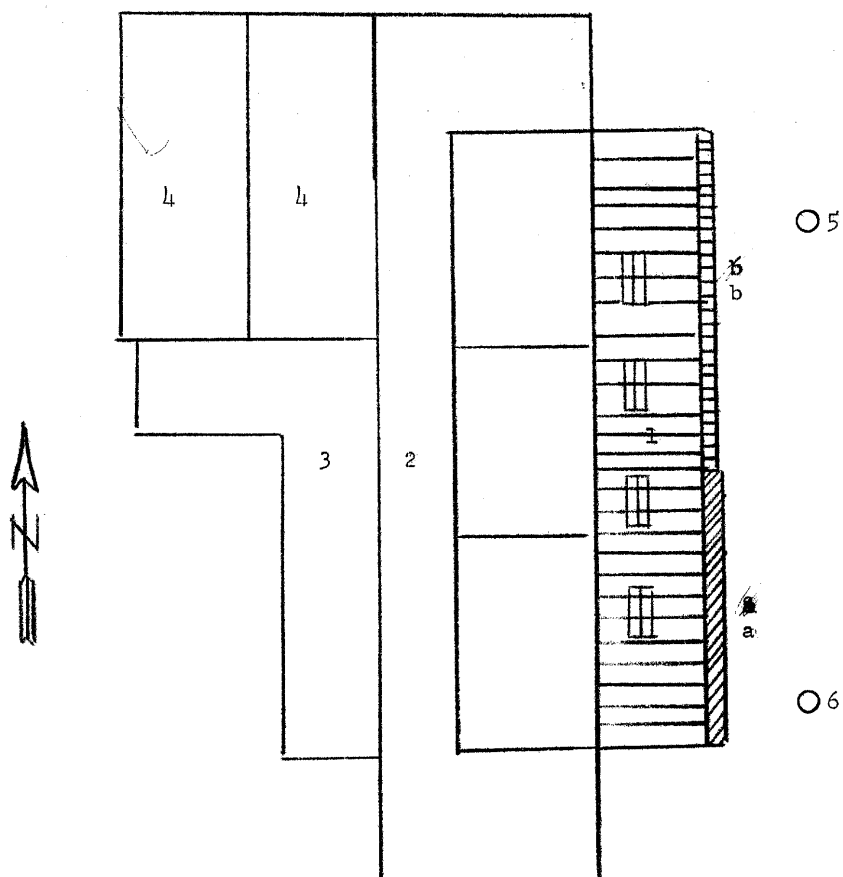
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Turbine and Boiler House



Legend: See report

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